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› Leviton 20-Amp, 125-Volt, Tamper-Resistant, Duplex Receptacle, Straight Blade, Commercial Grade, Self Grounding, TBR20-E, Black User Manual

Leviton TBR20-E



Leviton 20-Amp, 125-Volt, Tamper-Resistant, Duplex Receptacle

MODEL: TBR20-E USER MANUAL

1. Introduction

This manual provides essential information for the safe installation, operation, and maintenance of your Leviton 20-Amp, 125-Volt, Tamper-Resistant, Duplex Receptacle, Model TBR20-E. Please read this manual thoroughly before beginning installation or use to ensure proper function and safety. This product is designed for commercial grade applications and features self-grounding capabilities.



Image: Front view of the Leviton 20-Amp, 125-Volt, Tamper-Resistant, Duplex Receptacle in black, showing the two outlets and mounting straps.

2. Safety Information

WARNING: Risk of Electric Shock or Fire. Installation requires knowledge of electrical systems. If you are not qualified, do not attempt installation. Contact a qualified electrician.

Always turn off power at the circuit breaker or fuse box before installing or servicing this device. Use only copper or copper-clad wire. Do not exceed the specified electrical ratings of 20 Amps and 125 Volts.

Proposition 65 Warning:

This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

3. Product Features

- **Tamper-Resistant (TR) Design:** Internal shutter mechanism prevents insertion of single objects, enhancing safety, especially for children.
- **Commercial Grade:** Built for durability and performance in demanding commercial environments.
- **Self-Grounding:** Features a self-grounding clip for automatic grounding when installed in a properly grounded metal box.

- **Large-Head, Triple-Drive Terminal Screws:** Backed out and staked, designed to accept No. 10 copper or copper-clad wire for secure connections.
- **Heavy-Duty Brass Power Contacts:** Ensures maximum conductivity and secure plug retention.
- **Heavy-Gauge, Rust-Resistant Steel Mounting Strap:** Provides robust and stable installation.
- **Convenient Washer-Type Break-off Plaster Ears:** Allows for best flush alignment with wall surfaces.
- **Captive Mounting Screws:** Facilitates faster and easier installation.



Image: A selection of Leviton receptacles, showcasing different types and grades, including tamper-resistant and commercial grade models.

4. Package Contents

Your package should contain the following:

- 1 x Leviton 20-Amp, 125-Volt, Tamper-Resistant, Duplex Receptacle (Model TBR20-E)
- Mounting Screws (pre-installed or included)

5. Setup and Installation

Before You Begin:

1. Turn OFF power to the circuit at the service panel (circuit breaker or fuse box).
2. Verify power is OFF by using a voltage tester at the outlet.
3. Ensure you have the necessary tools: screwdriver (Phillips/flathead), wire strippers, electrical tape, voltage tester.

Wiring Instructions:

1. Carefully remove the existing receptacle (if any) from the wall box.
2. Identify the wires: **Black** (Hot), **White** (Neutral), **Green** or bare copper (Ground).
3. Strip approximately 1/2 inch of insulation from each wire end.
4. Connect the wires to the appropriate terminal screws on the new receptacle:
 - **Green or bare copper ground wire** to the *green grounding screw*.
 - **White neutral wire** to the *silver terminal screw*.
 - **Black hot wire** to the *brass terminal screw*.
5. Tighten all terminal screws firmly. Ensure no bare wire is exposed outside the terminals.

6. For self-grounding, ensure the receptacle's mounting strap makes good contact with a grounded metal wall box.
7. Carefully fold the wires into the wall box, then secure the receptacle to the box using the captive mounting screws.
8. Install the wallplate (not included).
9. Turn ON power at the service panel.
10. Test the receptacle for proper operation.

6. Operating Instructions

The Leviton Tamper-Resistant Duplex Receptacle functions like a standard electrical outlet. Simply insert a compatible electrical plug into either of the two receptacles. The internal shutter mechanism of the tamper-resistant design requires simultaneous pressure on both slots to allow a plug to be inserted, preventing foreign objects from entering the contacts.



Image: A close-up view of a tamper-resistant receptacle face, highlighting the 'TR' marking and the internal shutter design.

7. Maintenance

This Leviton receptacle requires minimal maintenance. Periodically inspect the receptacle for any signs of damage, such as cracks, discoloration, or loose connections. Ensure the wallplate is securely fastened. Clean the surface with a soft, dry cloth. Do not use abrasive cleaners or solvents.

8. Troubleshooting

If the receptacle is not functioning correctly, consider the following:

- **No Power:** Check the circuit breaker or fuse in your service panel. Reset the breaker or replace the fuse if tripped or blown.
- **Loose Plug:** Ensure the plug is fully inserted into the receptacle. The heavy-duty brass contacts are designed for secure retention.
- **Tamper-Resistant Mechanism:** If a plug is difficult to insert, ensure you are applying even pressure to both blades simultaneously. Do not force the plug.
- **Damaged Receptacle:** If the receptacle shows signs of physical damage, overheating, or burning, turn off power immediately and replace the unit.

If issues persist after troubleshooting, consult a qualified electrician.

9. Specifications

Model Number	TBR20-E
Amperage	20 Amps
Voltage	125 Volts
Type	Duplex Receptacle, Straight Blade, Tamper-Resistant
Grade	Commercial Grade
Grounding	Self-Grounding
Color	Black
Material	Steel (Mounting Strap)
Product Dimensions	1.9 x 1.4 x 4.1 inches
Item Weight	3.2 ounces
Country of Origin	China

10. Warranty and Support

This Leviton receptacle comes with a **2-Year Limited Warranty**. For warranty claims or technical support, please contact Leviton customer service. Keep your proof of purchase for warranty validation.

For further assistance or to find more information about Leviton products, please visit the official Leviton website or refer to the contact information provided with your product packaging.

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